# JOINT INFORMATION ENGINEERING ORGANIZATION

# Parkridge III, 10701 Parkridge Boulevard, Reston, VA 20191 SYMBOLOGY STANDARDS MANAGEMENT COMMITTEE DIRECTIVE

<b>SSMC NO: 3-01</b>	Date: August 24, 2001				
CP No: MIL01-04A	Title: Change Compliance Testing to Compliance Criteria				
Originator, Name and Address:	Originator, Name and Address:				
JIEO Parkridge III 10701 Parkridge Boulevard Reston, VA 20191					
SSMC Action:	Decision:				
Approved  Approved with Changes  Withdrawn  Deferred  Declared Substantive  By:  Disapproved  Testing Required  Prior to Decision  Subsequent to Decision  Allied Coordination Required	Approved as modified. See attached CP for approved modifications.				
Votes Cast/Proposed Change  Approve Disapprove N/A					
	MA NC EO A				

SYMBOLOGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM				
CHANGE PROPOSAL NUMBER		MIL01-04A		
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION	
JIEO	ЛЕО	July 6, 2001	August 23, 2001	
CHANGE PROPOSAL TITLE				
Change Compliance Testing to Compliance Criteria				
SUGGESTED CHANGE				

Recommend changing paragraph 5.9 <u>Compliance Testing</u> in its entirety to paragraph 5.9 <u>Compliance Criteria</u>. The recommended text is located at Attachment C.

Background: This CP is the result of an SSMC directive from SSMC 1-01 to clarify paragraph 5.9.3.c. Attachment A contains paragraph 5.9 as it currently appears in MIL-STD-2525B. The research for clarification revealed that the SSMC opened an action item (AI 98-16) to "clarify that the compliance section contains guidelines and does not mandate specific testing." The text at attachment B was developed and approved at the November 1998 SSMC meeting (reference; November 4/5, 1998 SSMC Minutes). Although the text was accepted it had not been integrated into MIL-STD-2525B. The text at Attachment C is the same text approved by the SSMC in 1998 with one small change. The difference is in paragraph 5.9.4, which is shortened to simply direct Computer Graphic Metafile (CGM) users to comply with MIL-STD-2301A. Paragraph 5.9.4 replaces the confusing language found in paragraph 5.9.3 of MIL-STD-2525B, which is the same confusing language that led to the SSMC 1-01 directive to clarify paragraph 5.9.3.c.

Justification: This CP finishes an action started in 1998 and accomplishes the directive from SSMC 1-01.

JIEO ANALYSIS

OVERVIEW:

POTENTIAL CONFLICTS WITH EXISTING SYMBOLOGY:

CONFORMANCE TO SYMBOL GUIDELINES:

ADEQUACY AND IMPACT ON OTHER PROGRAMS:

#### C/S/A COMMENTS

#### **DECISION NOTICE**

SSMC 3-01: Approved with modifications to paragraph 5.9.4. MIL01-04 Paragraph 5.9.4 header changed to" <a href="Compliance to NITFS">Compliance to NITFS</a>" and "When used and transmitted," was deleted from the first sentence. See attachment.

Attachment (Approved paragraph 5.9) to MIL 01-04A, Change Compliance Testing To Compliance Criteria

- 5.9 <u>Compliance Criteria</u>. To be considered MIL-STD-2525-compliant, implementations must satisfy criteria related to the appearance of tactical symbols and graphics, the assembly and parsing of symbol ID codes, and the interpretation and generation of symbol representations. Each category of compliance criteria is described below.
- 5.9.1 <u>Appearance of tactical symbols</u>. The following compliance criteria apply to the appearance of tactical symbols:
  - a. The frame shape in a tactical symbol indicates the affiliation, battle dimension, and status of a warfighting object as defined in this MIL-STD.
  - b. If color is used in a tactical symbol, it indicates the affiliation of a warfighting object as defined in this MIL-STD.
  - c. The icon in a tactical symbol is displayed as framed on unframed in accordance with framing requirements defined in this MIL-STD.
  - d. The icons in this MIL-STD are used to provide role or mission information about a warfighting object whenever the objects for which icons are provided are displayed in a tactical symbol.
  - e. If text and/or graphic modifiers are included in a tactical symbol, they conform to the field definitions and display lengths defined in this MIL-STD.
  - f. Tactical symbol components and modifiers are sized and positioned as defined in this MIL-STD.
  - g. The rendering of tactical symbols and modifiers conform to the display hierarchy defined in this MIL-STD.
  - h. Any temporary features added to a tactical symbol conform to the display rules in this MIL-STD.
- 5.9.2 <u>Appearance of tactical graphics</u>. The following compliance criteria apply to the appearance of tactical graphics:
  - a. The icons in this MIL-STD are used to provide information for battlefield planning and management whenever the objects for which icons are provided are displayed in a tactical graphic.
  - b. The affiliation and status of a tactical graphic are displayed using color and/or text as defined in this MIL-STD.
  - c. If text and/or graphic modifiers are included in a tactical graphic, they conform to the field definitions and display lengths defined in this MIL-STD.
  - d. Tactical graphic components and modifiers are sized and positioned as defined in this MIL-STD.
- 5.9.3 <u>Assembly and parsing of symbol ID codes</u>. The following compliance criteria apply to the assembly and parsing of symbol ID codes:
  - a. An implementation can assemble the correct tactical symbol or graphic and its modifier(s) from a symbol ID code it has been given.
  - b. An implementation can generate the symbol ID code that will produce the correct tactical symbol or graphic when transmitted to another MIL-STD-2525-compliant system.

Attachment (Approved paragraph 5.9) to MIL 01-04A, Change Compliance Testing To Compliance Criteria

### Symbol ID code:

sfgpewrh—mtusg (i.e., a heavy US machine gun with a friend frame) with C = 200, G = "for reinforcements," H = "added support for JJ," Q = 0450, R = mt (mobility rail), V = "machine gun," W = "30140000ZSep97," Y = "0900000.0E570306.0N"

## Symbol representation:

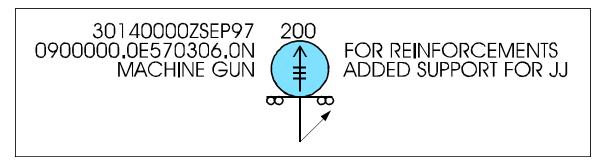


FIGURE 13. Example of proper tactical symbol representation.

5.9.4 <u>Compliance to NITFS</u>. Computer Graphic Metafile (CGM) files shall be in compliance with metafile constructs within the NITFS-bounded subset of CGMs defined by MIL-STD-2301A, Computer Graphics Metafile (CGM) Implementation Standard for the National Imagery Transmission Format Standard.